

DX LISTENING DIGEST 9-066, September 1, 2009  
Incorporating REVIEW OF INTERNATIONAL BROADCASTING  
edited by Glenn Hauser, <http://www.worldofradio.com>

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NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

SHORTWAVE AIRINGS OF WORLD OF RADIO 1476, September 2-8, 2009

Wed 0700 WRMI 9955 [new]  
Wed 1530 WRMI 9955  
Wed 1900 WBCQ 7415  
Thu 0530 WRMI 9955  
Thu 1900 WBCQ 7415  
Fri 0000 WBCQ 5110-CUSB Area 51  
Fri 0100 WRMI 9955  
Fri 1130 WRMI 9955  
Fri 1430 WRMI 9955  
Fri 1900 WBCQ 7415  
Fri 2028 WWCR1 15820 [experimental instead of 15825]  
Sat 0800 WRMI 9955  
Sat 0800 IPAR/IRRS/NEXUS/IBA 9510 [except first Sat]  
Sat 1630 WWCR3 12160  
Sun 0230 WWCR3 5070  
Sun 0630 WWCR1 3215  
Sun 0800 WRMI 9955  
Sun 1515 WRMI 9955  
Mon 0500 WRMI 9955  
Mon 2200 WBCQ 7415  
Tue 1100 WRMI 9955  
Tue 1530 WRMI 9955  
Tue 1900 WBCQ 7415  
Wed 0700 WRMI 9955 [or new 1477 starting here?]  
Wed 1530 WRMI 9955  
Wed 1900 WBCQ 7415

Latest edition of this schedule version, including AM, FM, satellite

and webcasts with hotlinks to station sites and audio, is at:  
<http://www.worldofradio.com/radioskd.html> or  
<http://schedule.worldofradio.org> or <http://sked.worldofradio.org>

For updates see our Anomaly Alert page:  
<http://www.worldofradio.com/anomaly.html>

WRN ON DEMAND:  
<http://new.wrn.org/listeners/stations/station.php?StationID=24>

WORLD OF RADIO PODCASTS VIA WRN NOW AVAILABLE:  
<http://podcast.worldofradio.org> or  
<http://www.wrn.org/listeners/stations/podcast.php>

OUR ONDEMAND AUDIO:  
<http://www.worldofradio.com/audiomid.html>  
or <http://wor.worldofradio.org>

\*\* ANDAMAN & NICOBAR ISLANDS. 7390, AIR, Port Blair. Speakers, male and female, in (assumed) Hindi. Fair strength but very noisy signal. Stronger at 0358 retune. Off on schedule at 0400. Only the second occasion heard at this time. 0332 13/8 (Charles Jones, Castle Hill NSW (FRG8800 with 50m long wire), Sept Australian DX News via DXLD)

I can't find what Jones-N means as opposed to just plain Jones, but such suffixes usually denote a DXpedition away from home QTH. Since it was about 10 am local time in Port Blair, that's a pretty good daylight-path catch; is 'N' closer to the Andamans? (gh, DXLD)

\*\* ANTARCTICA. Since resuming my listening LRA36 is constantly at a good signal here on Anglesey. Here again tonight at a good listening level. I'm just using a vertical for 20m. Its booming in as we speak! There is just sea between them and me; I live right on the coast so perhaps that helps (Mark, 2W0MTD, Isle of Anglesey, UK, 1905 UT Aug 31, dxldyg via DX LISTENING DIGEST) 15476

ANTARTIDA, 15476, LRA36, Radio Nacional Arc. ngel San Gabriel, Base Esperanza, 1835-1930, 31-08, canciones argentinas, tangos, otras canciones latinoamericanas, locutora, comentario sobre la gripe A, a las 1850: "Noticias Deportivas", comentario sobre el campeonato argentino de fútbol, sobre próximo partido Brasil-Argentina, US open de Tenis, comentario sobre incendios forestales en la provincia de Cúrdoba, y sobre la Tormenta de Santa Rosa, identificación. "De Esperanza al Mundo", el tiempo: "Temperatura en Base Esperanza -15°, viento Sur Oeste, 75 Km/hora, visibilidad, 8 Km.", "Música y cultura, de Esperanza al Mundo", "Desde Base Esperanza transmite LRA 36, Radio Nacional Arc. ngel San Gabriel, por la frecuencia de 15476 kHz", "Pueden ponerse en contacto con nosotros a través de nuestro

teléfono..., nuestro correo electrónico lra36 @ infovia.com.ar o a través de nuestra dirección de correo postal: LRA 36 Radio Nacional Arcángel San Gabriel, Base Esperanza, Código Postal 94100 Argentina, Argentina". Buena señal, 34433 variando a 24322 (Manuel Méndez, Lugo, España, Grundig Satellit 500 y Sony ICF SW7600G, Antena de cable, 8 metros, Escuchas realizadas en casco urbano de Lugo, DX LISTENING DIGEST)

\*\* ARGENTINA. 6060, R Nacional, Buenos Aires, 2230-2247, Aug 30, Spanish, live football // 15345.01. Poor, losing out to co-channel Sichuan PBS & VOA. 73, (Martien Groot, Schoorl, Netherlands, dxldyg via DX LISTENING DIGEST)

15344.6, RAE, Buenos Aires. One chance to hear them because Morocco is also on odd frequency. It was on 24/8 1805-1855 in English. Surely RAE has problems with the transmitter and modulation and is not daily (Mon-Fri) on the air on 11710 and 15345 (Rumen Pankov, Sofia, Bulgaria (Sony ICF 2001, Marconi), Sept Australian DX News via DXLD)

?? Morocco has been sticking pretty close to 15345.0. If not, on this occasion, where was it? (Glenn Hauser, DXLD) see also MOROCCO

\*\* AUSTRALIA. 2368.5, R. Symes, Marrickville [NSW]. Top signal with Greek music and announcement at 0802 on 4/8 (John Adams, Beech Forest Vic (JRC NRD-535 Ewe and Folded Dipole), Sept Australian DX News via DXLD)

Greek programming good level thru local noise, digital TV and storms. 14/8 1100 UT (Graeme Dawe, Broken Hill NSW (Icom R71A, 80 metre longwire, 8 metres high), ibid., WORLD OF RADIO 1476)

Seems to be off as I compile this on 30/8 (Craig Seager, NSW, ADXN log editor, ibid., WORLD OF RADIO 1476) And not reported anywhere since mid-August, I think (gh)

\*\* AUSTRIA. It seems we may still refer to Radio Austria International, since that is exactly the ID in English, plus French, German and Spanish versions, mixed with Blue Danube IS heard at 0459 September 1 on 6155, rather than the cumbersome ``1`` or ``OE1``; 0500 cut into that domestic relay in Austro-German (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* BULGARIA. 6000, 31/8 0020, Radio Varna, nonstop famous songs, ID 0037 very good (RX Perseus & Drake SPR-4, ANT Wellbrook LFL 1010, QTH Bocca di Magra (La Spezia), Giampiero Bernardini, Milano, Italy, dxldyg via DX LISTENING DIGEST)

\*\* CANADA. Radio Canada, Was completely silent some of the days last

week from 21st Aug, no noise, nothing, don't know what was wrong, just complete silence. They are back on air now, although a friend in Germany was able to hear them OK. Cheers for now (Jack and Sue Wachtershauser, Kelmscott, WA, Grundig Yacht Boy 400 15 metre coax and 5 metre coax to TV antenna, Sept Australian DX News via DXLD)

In this case WA probably means Western Australia, a LONG way from Sackville. I wish people would include significant details. Which frequencies, times and dates were missing? RCI does not attempt to reach any part of Australia directly or by relays. Did anyone in NAm notice RCI absence? The word ``although'' doesn't make sense either, or does that mean the German was still hearing them all the time? Ergo they were not off the air (Glenn Hauser, DX LISTENING DIGEST)

\*\* CANADA. CTV stations supposed to go dark today? Isn't today the day that some CTV repeaters were supposed to go dark? Or did CTV change it's mind? Will be watching. wrh (William R Hepburn, Grimsby ON CAN 43 10 59.4 -79 33 34.5, <http://dxinfocentre.com/hepburn/> Aug 31, WTFDA via DXLD)

Not sure what the drop-dead date for those CTV signals was - but it's sign-off day for two of the "E!" stations that CanwestGlobal couldn't sell. CHCA in Red Deer, AB signed off this morning at 6:30 MT, and CHEK 6 in Victoria, BC is supposed to go off for good after the late news tonight. s (Scott Fybush, NY, ibid.)

CJOH-TV-6 Deseronto still on (Jim Pizzi, near Rochester NY, 2018 UT Aug 31, ibid.)

CKNX Channel 8, Wingham, ONTARIO Closing down TODAY!! [not]

Hi Guys: To answer a question asked here earlier today, I was just watching the Local News here in London, and they report that CKNX TV 8 will be LEAVING the AIR for good at the end of the day!!! CTV Globe Media who owns them now is not renewing the License and they are KAPUT!! 2 other CTV owned stations out west also leave the air today!! Been around since the 50's, and they were one of the smallest market TV stations in the country!! If you need 'em, pray for a tropo opening tonight, and get 'em fast!! RIP CKNX TV. 73 ROB VA3SW (Robert S. Ross, London, Ontario CANADA, 2216 UT Aug 31, ODXA yg via DXLD)

I thought CKNX got a partial reprieve in that they were going to become a strict rebroadcaster of CFPL-10 instead of going dark? wrh (Bill Hepburn, WTFDA via DXLD)

CKNX TV 8, Still there I guess!! Hi Guys: As pointed out by Bill Hepburn, CKNX is NOT leaving the air, I guess, even though I reported they were as per a newscast tonight on CFPL. Apparently as of today

they are staying on the air and becoming a strict re-broadcaster of Channel 10 CFPL?? Even though CFPL reported that CKNX's license has not been Renewed!! I'm a little confused about all this, but apparently they are not leaving the air, I think!!?? Sorry if I confused anyone else; I haven't even had a drink yet today!! HAH!!  
73 (ROB VA3SW, 2244 UT, ODXA yg via DXLD)

Yeah, I'm not sure either Rob. I heard that CKNX was going to be added to CFPL's licence, and the CKNX licence would expire. CKNX was on the original CTV list as stations that were to go completely dark. But who knows. We'll see by tomorrow (William R Hepburn  
Grimsby ON CAN <http://dxinfocentre.com/hepburn/> WTFDA via DXLD)

EMPLOYEES AT CHEK-TV RAISE MONEY TO BUY VICTORIA STATION FROM CANWEST (CP) Aug 12, 2009 [NOTE DATE, delayed here]

VICTORIA, B.C. ? Employees at one of British Columbia's oldest television stations are raising money to buy CHEK-TV from Canwest Global Communications Corp. (TSX:CGS) in an effort to stop the struggling media giant from shutting down the Victoria operation at the end of the month [AUGUST].

But it may be too late to save the latest local station to be put under the axe in what Canadian networks have decried as a "broken" broadcasting model.

Canwest announced in July that it will close CHEK-TV and CHCA-TV in Red Deer, Alta., by the end of the month as it wrestles with a massive debt.

Richard Konwick, assignment editor in the Victoria newsroom and the local union president, said about 45 staff members have together pledged more than \$500,000 of their own money to save the station.

"This is a huge part of the cultural fabric of Vancouver Island. It is Vancouver Island's TV station," Konwick said in an interview Wednesday.

"People right up and down Vancouver Island really feel a sense of ownership over it and a real desire to see it stay on the air."

Konwick said the plan is to give employees a 25-per-cent stake in a new company that would buy the station, inviting private investors to pick up the rest. Full-time employees are being asked to contribute \$15,000 each, while part-timers would pay half that.

He declined to say whether they've secured any investors or when the final proposal would be ready.

"If it works, it works," he said. "We're keeping our fingers crossed and really working hard on it."

CHEK was founded in 1956, originally carrying CBC programming and later becoming a CTV affiliate, according to the Canadian Communications Foundation website, which tracks broadcasting history in Canada.

Canwest took it over in 2000, after a deal that saw the assets of the station's previous owner, WIC Western International Communications, split between Canwest and Shaw Communications Inc.

CHEK was a money-losing station before that sale, and it hasn't climbed out of the red in the past decade, said Canwest spokesman John Douglas.

Douglas said the company hasn't seen a proposal from the CHEK employees - or even been told one is coming - and suggested it may be too late to save the station.

"We wouldn't want to pre-judge anything, but at the same time there are significant hurdles when you look at putting together something that is at the last minute," said Douglas.

"It's really important that the community understand the challenges that are in front of them at this stage in the game."

Douglas said the company has stopped buying ads for the station beyond Aug. 31 and hasn't purchased any content for the fall. He also noted that it could take months to secure regulatory approval for any sale.

There was a similar effort in Hamilton to save CHCH, another Canwest station the company was planning to either sell or close.

Staff rallied to find local support, proposing a community-owned structure similar to a hospital. In the end, the Hamilton station and another Canwest operation in Montreal were sold to Toronto-based Channel Zero.

Douglas offered several reasons why CHEK hasn't turned a profit. He said the amount of competition in Victoria has meant there isn't enough advertising revenue to go around, and he noted the station has operated in the shadow of much larger markets in Vancouver and Seattle.

John Miller, who teaches in the journalism school at Ryerson University in Toronto, said the staff may find it difficult to

convince Canwest to sell the station rather than simply shut it down.

But if they succeed, Miller said there's a chance for a locally owned, independent station to succeed where an international media giant could not.

"Some of the credibility and trust that's been lost in the media is because they're corporately owned," he said.

"As the readers and viewers fall away, so do the advertisers."

Miller also said local investors may be willing to accept a smaller profit margin, rather than the 20 or 30 per cent profits that large media companies have grown accustomed to.

"The corporate ownership business model seems to be failing, so the only future seems to be local ownership, independent ownership," he said.

- By James Keller in Vancouver (via Jim Pizzi, NY, WTFDA via DXLD)

I believe Canwest rejected the employees' offer (Bill Hepburn, *ibid.*)

To reiterate something I've probably said before, for the benefit of our U.S. readers: in some ways, licensing (licencing?) concepts are different north of the border. Or at least they used to be, before Distributed Transmission Systems and DTV Replacement Translators came along.

In the U.S., a broadcasting license conveys authority for **\*one\*** transmitter\* to operate at a time. If you can't cover the desired service area with a single transmitter, you have to take out licenses for additional **\*stations\*** -- and compete with other applicants for such stations.

In Canada (and many other countries) it is common for a single license to authorize multiple transmitters.

CKNX held a licence - which authorized the transmitter, and authorized the origination of programming from Wingham.

What I **\*believe\*** happened is that the licensee chose not to renew that license, which expires tonight. However, in their renewal application for the CFPL license in London, they asked to have the channel 8 transmitter in Wingham added to the CFPL license. That makes channel 8 a relayer of Wingham. Didn't the same thing happen to CHWI Wheatley/Windsor?

So, it is possible for the CKNX licence to be allowed to expire without channel 8 going off the air - if channel 8 is simultaneously converted to a high-powered translator of CFPL.

\* well, until a couple of months ago when DTS and DRT came into being. (Doug Smith, TN, *ibid.*)

You mean 8 CKNX Wingham is now relaying 10 London (not Wingham). I checked with someone who knows these things, and that's correct. Same with 16 Wheatley. They received unusual one-year renewals from the CRTC, which expire on or around Aug 31, 2010. That is intended to define this as a temporary solution at a troubled time for TV stations in general. I would presume they're supposed to use the year to come up with a plan for the CRTC to consider.

There's also been talk on the list of 6 in Deseronto ON. Nothing changes there. It still relays 13 in Ottawa (Saul Chernos, Ont., *ibid.*)

Yep (oops!) (thanks!). Didn't **\*all\*** conventional (OTA) TV stations get a special one-year renewal pending CRTC action to change the rules? (or at least, all conventional stations owned by the major private groups?) (Doug Smith, *ibid.*)

**\*\* CANADA.** The CRTC has renewed for a short term the license of defunct 99 watt CHEV-1610 Toronto which was due to expire today. In fact CHEV has not operated for years and is no longer in the Industry Canada broadcasting database; could not operate if they wanted to as 1610 is of course now used by CHHA in Toronto.

Recently the CRTC has adopted a policy of giving short term renewals to stations whose license is about to expire even if they don't apply for a renewal. I suspect that the CRTC does not know what is going on here. <http://www.crtc.gc.ca/eng/archive/2009/2009-551.htm>

#### Administrative renewal

1. The Commission renews the broadcasting licence for the low-power AM radio programming undertaking CHEV Toronto from 1 September 2009 to 31 March 2010. The licence will be subject to the terms and conditions of licence in effect under the current licence.
2. If the licence renewal application has not been received by 31 October 2009 the Commission may not renew the licence further.
3. This decision does not dispose of any substantive issues that may exist with respect to the renewal of this licence. The Commission will issue a decision on the renewal application at a later date.

Secretary General

73, (via Deane McIntyre VE6BPO, AB, Aug 31, DX LISTENING DIGEST)

\*\* CANADA. Re 9-065: Yes, Terry, CIAO 530, Brampton Ont. seems a fair signal here in New England considering its 250 Watts. I'm just using an E-100 clone and a G5 barefoot, and its readable recently. This October or so it will have some competition from other places like RVC and Cuba. From Central CT its 385 miles give or take just a few. Nice Catch (Paul S., Cheshire, CT, dxldyg via DX LISTENING DIGEST)

\*\* CHINA. RADIO CHINA TO VACATE AMATEUR-ONLY SECTION OF 7 MHZ BAND

The IARU Region 1 website reports that Radio China is to stop broadcasting on five frequencies in the 7.1 to 7.2 MHz range.

The Chinese authorities have made frequency adjustments midway during the A09 broadcasting schedule and it affects all transmissions that were previously operating in the new exclusive worldwide amateur radio service band of 7.1-7.2 MHz.

(Southgate

[http://www.southgatearc.org/news/august2009/radio\\_china\\_to\\_vacate\\_7mhz.htm](http://www.southgatearc.org/news/august2009/radio_china_to_vacate_7mhz.htm) via Mike Terry, dxldyg via WORLD OF RADIO 1476, DXLD)

Radio China, what's that? Never heard of that station. Does this refer to the PRC or the ROC? Aoki currently shows only one PRC transmitter still on 7100-7200, i.e. Nei Menggu on 7105. Until recently it was necessary to jam Taiwan on 7130, 7185 but those have moved out, so who deserves credit for that? What are or were all five frequencies? The story is in the future tense, but appears already outdated.

I don't find any recent article to this effect on the IARU Region 1 website homepage nor where it would be more likely at IARU Monitoring

<http://www.iaru-r1.org/index.php>

option=com\_content&view=category&layout=blog&id=39&Itemid=87

(Glenn Hauser, WORLD OF RADIO 1476, DXLD)

You're thinking the same thing I am. I do know that the Chinese Taipei Amateur Radio League has been putting pressure on the Taiwan government to do something about the interference from China on the ham bands. Maybe this could be it, but because Taiwan is not allowed (or prevented by China) to be part of any international organizations I don't see them being able to do anything, unless Japan did it on behalf of Taiwan which could be the case (Keith Perron, Taiwan, dxldyg via DX LISTENING DIGEST)

Keith, move to go outside 7.1 MHz range occurred sometime between Aug

5th and Aug 17th. We had this in WWDXC TopNews August 18th:

XJBS - Xinjiang People's Broadcasting Station, A09

Uighur UTC 2300-1800 (not Tue 0800-1100)  
13670 0200-1400 7205-x7155 2300-0200, 1400-1800 <<<<  
11885 2300-1800  
9560 0300-1200 6120 2300-0300, 1200-1800  
7275 2300-1800

Chinese Service UTC 2300-1800 (not Tue 0800-1100)  
11770 2300-1800  
9600 0300-1400 7310 2300-0300, 1400-1800  
7260 2300-1800  
5960 2300-0257, 1157-1800 9835 0257-1157

Kazakh UTC 2330-1800 (not Tue/Thur 0800-1100)  
9470 0300-1200 6015 2330-0300, 1200-1800  
7340 2330-1800

Mongolian UTC 2330-0330, 0530-1030 (Tue/Thur 0800), 1230-1800  
6190 2330-0330, 1230-1800 9510 0530-1030  
7230-x7155 2330-1800 <<<<

Kyrgyz UTC 0330-0530, 1030 Tue/Thur 1100)-1230  
9705 0330-0530, 1030-1230 7230-x7155 1210-1230  
11975-x7120 0330-0530, 1030-1230 6190 1210-1230 <<<<

XZDT - Tibet People's Broadcasting Station  
Chinese 2000-1800 UTC (not Tue 0600-1000)  
2230-2300, 0030-0100, 1030-1100 relay of CNR1  
11950(290d) 0158-0857 / 7240(290d) 2000-0157, 0858-1800,  
11860(085d) 0200-0857 / 7450-x7170(085d) 2000-0157, <<<<  
0858-1800, 6050(nd), 5935 CNR1(085d), 4820(nd) 2000-1800

Tibetan 2100-1805 UTC (not Tue 0600-1000)  
2300-2357, 0400-0457, 1300-1357 relay of CNR8  
0700, 1630 UTC .in English "Holy Tibet  
9490(085d) 0200-1000 / 7255-x7125 CNR1(085d) 2100-0200, <<<<  
1000-1805 9580(290d) 0200-0930 / 7385 (290d) 2100-0200, 0930-1805  
6200 CNR1(nd), 6130(290d), 6110(220d), 5240(nd),  
4920(nd), 4905(nd)  
(Nagoya DXC website <http://www2.starcat.ne.jp/~ndxci/> Aug 18)

In the meantime, copy forwarded to IARU ham radio bandwatch Uli Bihlmayer DJ9KR too. wb (Wolfgang Bischel, Sept 1, dxldyg via DX LISTENING DIGEST)

Nei Menggu PBS-7105 kHz moved to 7430 kHz from 0950 UT on Sep. 1.  
Chinese station disappeared from HAM band. de Hiroshi (S. Hasegawa,  
Japan, NDXC, dxldyg via WORLD OF RADIO 1476, DX LISTENING DIGEST)

6040, Nei Menggu PBS, 2203-2217, Aug 29, Mongolian announcement,  
traditional songs // 9750 which was also audible. Badly mixed co-  
channel CNR -2. R Nederland blocks this frequency until 2200. 73,  
(Martien Groot, Schoorl, Netherlands, dxldyg via DX LISTENING DIGEST)

\*\* CHINA. Firedrake check Aug 31 at 1331: poor on 9000, and barely  
audible/imagination level on 8400, nowhere else except in the 12040  
mix (Glenn Hauser, OK, DX LISTENING DIGEST)

Considerable Firedrake activity during my early local evening:

0213-0230, Sept. 1, solo Firedrake on 13970, 15200, 17470, 17540 (Off  
at 0215. A new SOH frequency?) and 18320. Scanned from 7200 thru  
19000. Heard as the sun was about to set over the Pacific Ocean.

At 0321 heard FD on 13970, 15150, 17470 and 18320 (Ron Howard,  
Asilomar Beach, CA, EtÙn E1, dxldyg via DX LISTENING DIGEST)

Firedrake Sept 1: at 1320, good signals on both 8400 and 9000; at 1415  
recheck, 8400 inaudible, and 9000 just barely. At 1407, 13970 was JBA,  
better on 14420; none others heard up to 19 MHz (Glenn Hauser, OK, DX  
LISTENING DIGEST)

\*\* CUBA. Checking RHC Sept 1 at 0500, noted the extreme modulation  
quality difference between 6140 and 6120 in Spanish. 6140 has full-  
bodied audio frequency response, while 6120 is very clipped 'telco'-  
quality; why? Was in an EfemÈrides feature on the beginning and ending  
of WW II around this date six years apart. But as I was tuning back  
and forth between the two frequencies at 0502, 6140 suddenly switched  
to different music introducing the English service, and so it was  
thence, // 6060 and 6010, while 6120 Spanish continued // weak 6000.

RHC still not in English at 2030-2130; Sept 1 at 2122 check, 17660,  
13790, 13760, 11770, 11760 all // in Spanish (Glenn Hauser, OK, DX  
LISTENING DIGEST)

\*\* ETHIOPIA. 6090, 30/8 0302, Amhara State Radio, Ethiopia, talks,  
music, good

6110, 30/8 0305, Radio Fana, Ethiopia, music, great ID, good

7110, 30/8 0310, Radio Ethiopia, music, talks, good (RX Perseus &  
Drake SPR-4, ANT Wellbrook LFL 1010, QTH Bocca di Magra (La Spezia),  
Giampiero Bernardini, Milano, Italy, dxldyg via DX LISTENING DIGEST)

\*\* FALKLAND ISLANDS. Ola amigos da lista, Acabo de receber o email abaixo, confirmando minha escuta da Falkland Island Radio. Em breve devo receber o QSL. Att, (Eduardo, Grid Locator: GG66qq, Mairipor,-SP- Brasil, <http://www.radiodx.qsl.br> Sep 1, radioescutas yg via DXLD)

Sent: Tuesday, September 01, 2009 7:51 AM  
Subject: RE: LISTEN- 530

Dear Eduardo, Many thanks for your email. I am putting a QSL card and some stickers in the mail for you today. It should arrive in 2-3 weeks. Kind regards, Corina Goss, Station Manager, Falklands Radio

Anderson, Eduardo, Quando confirmei a FIRS 530 ouvida em S,,o Bernardo ñ SP, dei sorte. A Sra. Corina Goss havia me enviado um e-mail dizendo que a correspondíncia poderia demorar algumas semanas por questões de saída irregular da correspondíncia das ilhas. Noto que todos os que reportaram a emissora acabaram cedo ou tarde recebendo o QSL. A minha confirmação chegou acho que foi em 16 dias apenas.

73, (Rudolf Grimm, S,,o Bernardo ñ SP, ibid.)

Ola Eduardo: eu tinha recebido esta mesma mensagem que vc com a promessa que o QSL chegaria em 2 semanas, sô que levou 1 mís e meio. Portanto n,,o desanime se demorar um pouco mais por que vc ja garantiu seu QSL que por sinal È muito lindo (Anderson JosÈ Torquato, Garopaba-SC, radioescutas yg via DXLD)

\*\* GEORGIA. In Russian ID "Gavavit Sukhumi" and news in Russian 0800-0810 heard on both 9495 and 9535 khz. On 9535 close down was at 0810. On 9495 kHz, two more minutes with the song "The House Of the Rising Sun" (No.1 in 1964) sung by the Animals in the program of local Avto Radio and close/down at 0812. In the registers of European Union, Abkhazia is an autonomian republic in Georgia but for Russia, Nicaragua and ... is independent state (Rumen Pankov, Bulgaria, Aug 31, DX LISTENING DIGEST)

\*\* GLORIOSO ISLAND. Amateur Radio --- it looks as though this DXpedition might just make it to reality. Tickets seem to be in hand to make it there on Sept. 11th or 12th, with a three week stay planned. Here is the website to watch:  
[http://glorieuses2008.free.fr/e-glorieuses\\_news.htm](http://glorieuses2008.free.fr/e-glorieuses_news.htm)  
Callsign will be FT5GA. Glorioso is near Madagascar (Steve Lare, Holland, MI, USA, Aug 31, dxldyg via DX LISTENING DIGEST)

\*\* GUATEMALA. Community FMs in Guatemala --- If you own a copy of the Emisoras de FM directory, here is updated information for you. Mike Bugaj has uploaded the Excel document containing the listings of current community FM radio stations in Guatemala to the WTFDA.org

website. It is not necessary to log in. The link appears on the main page at the bottom of the Emisoras de FM section. Click on the link 'Guatemala' to open the document in Microsoft Excel or compatible software: <http://www.wtfda.org> (Jim Thomas, wdx0fbu, WTFDA via DXLD)

\*\* INDIA. AIR Kolkata transmitters to be upgraded --- All India Radio Kolkata's transmitters including the shortwave transmitters are to be upgraded and made more powerful probably seeing the aggressiveness with which CRI is covering the world on the bands. The programmes are to be made more interesting and people oriented. Moreover it seems government will soon give away licences to foreign broadcasters and they will broadcast with private parties in India. This was heard on the local news. ---- (Sanjay Sutradhar, Kolkata, via Aloke Gupta, New Delhi, Aug 30, dx\_india yg via WORLD OF RADIO 1476, DXLD)

AIR Nepali service on same frequency, 7420 as BBC/China radio war: see U K [non]

\*\* INDIA. GOVERNMENT MAY ALLOW PRIVATE RADIO CHANNELS TO BROADCAST AGENCY NEWS --- PTI 29 August 2009, 01:51pm IST  
<http://www1.timesofindia.indiatimes.com/Govert-may-allow-pvt-radio-channels-to-broadcast-agency-news/articleshow/4948059.cms>

NEW DELHI: Private radio channels may be able to broadcast news sourced from agencies like PTI and UNI if the government accepts their long pending request to allow them to do so.

FM radio broadcasters have been demanding that they should be allowed to use news provided by the agencies in their bulletins.

"The matter is still under consideration," according to a top official of the information and broadcasting ministry. The demand, being considered by the ministry, could form a part of the phase-III roll out of FM radio stations bidding.

The phase-III of FM radio stations bidding would be rolled out as soon as the government settles the financial problems and royalty issues facing several bidders of the second phase.

At present, there are around 100 FM radio channels in the country and a number of private companies have applied for licence to launch new channels (via Aloke Gupta, Aug 31, dxindia yg via DXLD)

\*\* INDIA. 9425, AIR, Sept 1 at 1344 OM singing a slow Hindi song; 1349 to YL continuous talk; now and then thought I heard an occasional English word or phrase with heavy Hindi accent, but maybe just imagining. Fair but fluttery signal, reminding me that I had not been hearing it much at all this summer, but it was also in yesterday now

in pre-equinoctial propagation conditions. Per Aoki this is the National Channel, 500 kW, 18 degrees from Bangalore meant for domestic coverage; unfortunately, deliberate alternation with news and other segments in English does not start until 1430 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* INDONESIA. 4925, 30/8 2303, RRI Jambi, Indonesia, news, music, local ID 2330, regional news, fair/good (RX Perseus & Drake SPR-4, ANT Wellbrook LFL 1010, QTH Bocca di Magra (La Spezia), Giampiero Bernardini, Milano, Italy, dxldyg via DX LISTENING DIGEST)

\*\* INDONESIA. VOI, 9524.9, already in English news when I tuned in at 1259 August 31; fair signal and weak modulation required straining to understand. Evidently their clock was a few minutes fast.

9524.9, VOI, modulation is so low that it's impossible to copy any readable content, but Tuesday Sept 1 at 1332 I think I was hearing traces of the weekly excursion to Banjarmasin (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* INTERNATIONAL INTERNET. .LISTEN .TO .OUR .NEXT .SHOW! Let's Talk Music has moved to Saturday afternoons, 12:30 P.M. Eastern, 11:30 A.M. Central, 10:30 A.M. Mountain, and 9:30 A.M. Pacific [1630 UT]. C Joy Internet Radio brings to the air a "WANT-TO-LISTEN" program. Let's Talk Music is a one-hour interview show discussing music artists, their records, and the DJs who spin them. Live interviews and more. Each week a guest will appear and we will play cuts from their latest albums. Join us on the conference line: (309) 946-5300. Use access code: 990551# and follow the instructions to enter the conference. You will also have a chance to ask questions of the guests. Or simply listen to us via computer at <http://www.cjoyinternetradio.com> You may view the station log from our site for scheduled times.

This week's guest will be none other than Duyahn Walker. Walker's specialty is using the talkbox, used by many individuals and performing groups in recording studios. Walker is legally blind and has a funny sense of humor. He has an enthusiasm about recording and its many facets. We are expecting a good interview with this gentleman. .DON'T .MISS IT. (Pastor Darryl Breffe, C Joy Internet Radio, Aug 31, DX LISTENING DIGEST)

\*\* INTERNATIONAL VACUUM. WRN has now adjusted the schedule on their Web site to reflect that Radio France Internationale is no longer aired on the weekends. No explanation to why -- maybe they choose not to have a live human available to relay RFI live at 1400 UT.

This morning, the 1300 UT relay of RTE Ireland is a repeat of Friday's show -- with no explanation as to why a three-day-old program is

airing (Mike Cooper, GA, Aug 31, DX LISTENING DIGEST) ``Bank holiday``

\*\* INTERNATIONAL WATERS [and non]. AERONAUTICAL DXING ON SHORTWAVE

For a better understanding of Aero traffic, you must know the various Air routes. The world is divided into several geographical areas, based on their position on the Globe. These are called Major World Air Route Areas or MWARAs. From North Atlantic to South Pacific, they assigned several frequencies for each area. We will deal with those, easiest to hear from Australia.

SP6/7 South Pacific 5643, 8867, 13273, 17904 Sydney, Honolulu, Auckland, Tahiti, Nandi, etc.

CWP-1/2 Central West Pacific. 6532, 6562, 8903, 11384, 13300, 17904 Guam, Hong Kong, Honolulu, Manila, Port Moresby, Tokyo, etc.

SEA-3 South East Asia 5733, 6556, 10066, 11396, 17907 Darwin, Jakarta, Perth, Singapore, etc.

SEA-2 South East Asia 5649, 5655, 8942, 11396, 17907 Most of Indonesia, Manila, Hong Kong

Some frequencies, like 11396 are common for more than one area. Once the aircraft is in the air, special frequencies are allocated for company operations. They are called Long Distance Operational Control or LDOC. They are for arrival and departure, load, crew and anything else the pilot may want to relay to his company. Each airline has several

frequencies allocated. Conversation is in English, except dn Domestic flights, when they talk their own lingo. Some of the LDOC frequencies:

QANTAS: 6526, 6632, 8903, 8921, 10093, 13345, 17922, 17940

Air New Zealand: 6637, 10072, 13333, 13345, 17940

Cathay Pacific: 13333

Japan Airlines : 6037, 10093, 11392, 13324, 17925

Air Pacific (Fiji): 9026

Alitalia: 5532, 8931, 10027, 13336, 13345, 17940

Singapore Airlines: 5526, 6637, 8930, 10077, 13333, 17934

Several frequencies like 13333 are common to more than one airline.

Usually the flight between destinations is quite smooth, the autopilot, radar and navigational control taking care of business. However there are times, when the plane gets into trouble, either bad weather, instrument failure, or human intervention causing problems. The pilot reports to the company on one of their allocated LDOC frequencies.

During daylight, the frequency is higher and as night approaches it gets lower. Listen to the higher frequencies during THEIR local daylight.

If the crew can't deal with the problem, and lives are at risk, especially if the aircraft has to ditch, pilot will declare MAYDAY. Any aircraft who hears a Mayday call must report it to the nearest control.

Every aircraft is fitted with a secondary surveillance radar (SSR). The transponder transmits on a different frequency than the ground based radar, so there are no ghost images. The SSR also transmits a code signal, which identifies the Aircraft.

The aircraft is given a set of "Squawk Codes". They are four digit numbers, which the pilot enters in the SSR. Certain codes are for emergency use.

7500, Hijack  
7600, Communication failure  
7700, In-flight emergency  
7500, followed by 7700, Situation desperate, Captain request armed intervention on landing.

In flight, the Navigator gets several weather reports, from different ground stations. They are called VOLMET stations. They transmit airport weather forecasts on special frequencies. They usually transmit twice an hour in half hour intervals, each station comes in 5 minutes after the last. More about weather broadcasts next month (THE FOUNTAIN OF UTE edited by Alex Wellner, Sept Australian DX News via DXLD)

\*\* JAPAN. 3945, R. Nikkei 1227-1330\* Aug 30. Noted here this day only, with nothing heard on usual 3925, 6055, or 9595. Assorted JP talks to 1328 closing anmt, then off at 1329. Heard next day (31 Aug) on usual freqs (3925, 6055, and 9595) with talk to 1230, then classical mx pgm. Checked back at 1330 expecting to catch s/off anmt but they were on well past 1330; tuned out at 1340 as signal was deteriorating (John Wilkins, Wheat Ridge, Colorado. Drake R-8, 100-foot RW, Cumbre DX via WORLD OF RADIO 1476, DXLD)

Hi John, Interesting about Nikkei. Usually they have signed off long before you heard them (per Aoki):  
3945 RADIO NIKKEI-2 2300-0900 1.....7 Japanese

But then they probably had some special programming going on regarding the big changes in their government, so probably (hopefully) a one day

event. Ron Howard Asilomar Beach, CA, ibid.)

Kudos to Japan's Radio Nikkei. They have to be among the fastest QSL responders around. I monitored the station on Friday, August 14. A reception report was mailed on Monday, August 17th. Ten days later, Friday August 27, the QSL arrived. The card is a nice one honoring the station's 55th anniversary (Richard Bianchino, Las Vegas, NV, ABDX via DXLD)

\*\* JAPAN [non]. R·dio Jap,,o: Sinal ruim ou falta de propagaÁ,o?

Amigos (as) das listas, A R·dio Jap,,o È uma emissora muito interessante de ser escutada. A emissora est· transmitindo diariamente em dois hor·rios na frequencia de 9660 kHz nos 31 metros. Notei que h· muitos dias a r·dio n,,o tem sido bem sintonizada por aqui no nordeste brasileiro, n,,o sei dizer bem se trata-se de falta de propagaÁ,o, pois no hor·rio que sintonei a emissora era possivÈl ouvir outras com som bem audivel. Mas como as ondas curtas tem aspectos esquisitos e comportamento que n,,o È facil, fico com uma pulga atr·s da orelha! Seria falta de propagaÁ,o mesmo ou problemas tÈcnicos? J· s,,o mais de duas semanas que a Japan Radio n,,o pega bem por aqui! Assim j· era no Chapolin Colorado "E agora quem poder· me socorrer?" (rsrsrsrs) 73 (Leonaldo Ferreira, Brasil, Aug 31, dxclube pr yg via DXLD)

I wish people would include minimal details; I`m always having to look them up. Must be referring to 0230-0300 and 0930-1000, both 250 kW, 170 degrees via Bonaire, which ought to have a clear shot into Brasil. Some problem at Bonaire? (Glenn Hauser, DX LISTENING DIGEST)

O problema È o seguinte: A Radio Japan cometeu um erro crasso de confiar em UMA UNICA FREQUENCIA suas emissies, de tal modo que se essa sofrer interferencias naturais, fica IMPOSSÔVEL SINTONIZ; -LA. A mesma coisa, a Radio Cairo do Egito. Amal El-Disuki me perguntou se a frequencia que eles emitem em portuguÍs para o Brasil era boa. Eu respondi o seguinte: O departamento TÈcnico pensou em adotar uma segunda frequÍncia? Se o sinal estiver ruim nos 9360 Kc, que tal uma outra nos 25 metros, ou 19 metros?

Olha...A Radio Japan tinha uma audiÍncia avassaladora nos tempos dos 13630, nos 16 [sic] metros. Era a frequÍncia onde pegava melhor e n,,o tinha tantos problemas de propagaÁ,o, ruido, ou oscilaÁies.

O tiro no pÈ foi feio (Glauber Gleidson Peres, Rua dos Jasmins 126, Vale das Ac·cias, Pindamonhangaba SP 12440.290, Brazil +5512 3637.5922, dxclubepr yg via DXLD)

\*\* KIRIBATI. 846 kHz, R. Kiribati, Bairiki. Island music 0640 2 July, under ABC Canberra and Cairns just starting to fade up. Had to leave

it when a koala was spotted out the front of the rented cottage, but thankfully was still there when the excitement had died down with talks in vernaculars, then music (Craig Seager, Drake R8A and Icom R75, EWE, TUCKERS ROCKS TRAIL, A little bit of stuff from the recent Bathurst branch DX-Pedition, Sept Australian DX News via DXLD) Presumably somewhere in NSW; no Google help (gh)

\*\* MADAGASCAR. 5009.95, 30/8 0250 Radio Madagascar, soft music, good (RX Perseus & Drake SPR-4, ANT Wellbrook LFL 1010, QTH Bocca di Magra (La Spezia), Giampiero Bernardini, Milano, Italy, dxldyg via DX LISTENING DIGEST)

\*\* MALAYSIA. These 24-hour RTM Malaysia frequencies are throwing in moderate to strong signals in Indian night times noted on 1st September 2009:

5965 kHz in Malay audible from 1600 UT with announcements, Koran recitations and English pop songs.

7295 kHz in English with spirited talk, English pop music, commercials and news at 1700 (Supratik Sanatani, Kolkata, India, logged on Tentec 320 D, dxldyg via WORLD OF RADIO 1476, DX LISTENING DIGEST)

\*\* MONGOLIA. 9665, Voice of Mongolia, Ulan Bator. Observed 1400-1600 (1530-1600 in English) but with bad results: all times KRE [North Korea] on 9665.7 whistled plus Iran till 1428 and CRI from 1530 on 9665 on 25-26/8. Better was on 12085 1530-1600 earlier. Please see 11630 (Rumen Pankov, Sofia, Bulgaria (Sony ICF 2001, Marconi), Sept Australian DX News via DXLD) ?? There was no entry as 11630, which has nothing to do with Mongolia, AFAIK (gh, DXLD)

\*\* MOROCCO [and non]. 15345, Sept 1 at 2124, Arabic on top, but fast SAH, which means RAE Argentina managed to match within 15 Hz or so (Glenn Hauser, OK, DX LISTENING DIGEST) see also ARGENTINA

\*\* NEW ZEALAND. PAY FREEZE TIPPED AS RADIO NZ SLASHES COSTS  
4:00AM Monday Aug 31, 2009 By John Drinnan

Radio New Zealand staff are expected to agree this week to a freeze on salaries as the public broadcaster identifies \$1.5 million of savings to make ends meet. Radio NZ is facing another round of cost cuts after the Government ignored warnings of chronic underfunding and staff shortages.

Cutbacks are common in the media sector, which has been ravaged by an advertising slump. Commercial radio stations have also been laying off staff, and Television New Zealand has cut staff and programming.

Radio NZ does not rely on advertising and all government departments face cuts. But it has been severely underfunded in good times, and is

in a poor position to make cuts now. Because public radio is wholly reliant on taxpayers and funding was frozen in the last Budget, it would battle to sustain services, an industry source said.

The Government froze funding despite an independent "baseline funding review" from accountancy firm KPMG, which showed Radio NZ was underfunded and understaffed, and underpaid its employees.

more at:

[http://www.nzherald.co.nz/nz/news/article.cfm?c\\_id=1&objectid=10594228](http://www.nzherald.co.nz/nz/news/article.cfm?c_id=1&objectid=10594228)  
(via Fred Waterer, Ont., dxldy via DXLD)

\*\* OKLAHOMA. Driving around OKC Aug 29, observed that 99.7 was on the air with gospel music, but never caught an ID. Signal was spotty and since I still don't hear it in Enid, presumably translator or low-power test of KZLS ``Mustang'', ex-Alva-Enid with full power.

The pirate on 107.1, after years and years was STILL on the air, relaying ``Radio Free Austin'' wacko far-right programming, solid signal in center city and probably from same location a couple miles N of downtown as previously spotted, or nearby. A far greater public service would be relaying one of Austin's excellent legal stations such as KOOP or KUT. Where is the FCC? (Glenn Hauser, DX LISTENING DIGEST)

\*\* PORTUGAL [and non]. 15770, RDPI as I tuned across Sept 1 at 1445 had Brasilian rather than Luso accent, mentioning RadioBr.s, quickly pausing for program ID by YL as Onda DX. The Brazilian OM was on the phone and resumed talking about DX matters. Yes, this is the weekly DX show scheduled for Tue 1430, previously thought to be over by 1442, but length apparently varies, and I did not think to check listed // 15560 where it should have been in the clear unlike 15770 which always collides with WYFR in Brasilian! The SAH between them was about 108/minute or almost 2 Hz, and WYFR fortunately weaker here at the moment, unlike probably in Brazil itself (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* RUSSIA. 12030/12140/11920, VOR in French. Today Aug 31, two spurs originate of fundamental 12030 kHz tx center #7 Kurovskaya east of Moscow on the air again.

Checked 1915 to 1935 UT slot on  
11917.30 to 11920.70 and  
12139.20 to 12142.70 kHz.

A lot of interference occurs against co-channel IBB VOA 12140 kHz via Wertachtal in Amharic and Tigrigna at 1800-1930 UT.

Similar on July 27th in 1900-2005 UT slot on  
11962.4 - 11969.6 kHz,

12110.8 - 12115.9 kHz,  
12264.8 - 12276.2 kHz, still had spurs on August 1st again.

G.C. 55 35 32.58 N 39 07 59.76 E  
<<http://maps.google.de/maps?>  
f=q&source=s\_q&hl=de&geocode=&q=55%C2%B035%2732.58%22N+  
+39%C2%B007%2759.76%22E&sll=51.151786,10.415039&sspn=20.453081,56.733398&ie=UTF8&l=55.592383,39.133267&spn=0.004486,0.013851&t=h&z=17>

Thanks to Nils Schiffhauer DK80K and Albert Kosnopfel DL6SCN, who traced these spurs on their PERSEUS receiver display on Aug 28 - 30 (Wolfgang Bischel, Aug 31, harmonics yg via DXLD))

\*\* SOMALILAND. 7145, 30/8 1858, Radio Hargeisa, Somalia, talks, music, good, extended Ramadan schedule, at 2020 still on (RX Perseus & Drake SPR-4, ANT Wellbrook LFL 1010, QTH Bocca di Magra (La Spezia), Giampiero Bernardini, Milano, Italy, dxldyg via WORLD OF RADIO 1476, DX LISTENING DIGEST)

Great news for NAm DXers, as it now may become audible in the eastern afternoons; the question is, how late is it on?? (gh, WORLD OF RADIO 1476, DXLD)

\*\* SOUTH AFRICA. Re: When is Channel Africa easiest to hear on SW in North America? The West African beam provides the best opportunities for those of us in NA. But I don't recall hearing them at night recently. The 1700 transmission [15235] tends to be fairly reliable here. jaf (John Figliozzi, Half Moon NY, Aug 31, NASWA yg via DXLD)

\*\* SPAIN. From tomorrow Sep. 1st, the local news bulletin on RNE R5-TN stations will return to 09.15 local time (0715 UT). The duration does not change: 15 minutes. Saludos (Mauricio Molano, Salamanca, Spain, Aug 31, dxldyg via DX LISTENING DIGEST)

\*\* SWITZERLAND [non]. On September 24, 2009 Bob Thomann who hosted The Swiss Marry Go Round (aka The Two Bob's Show for 24 years with Bob Zanotti and years before Zanotti joined Swiss Radio International. The September 24th edition of Happy Station will pay tribute to him on his 81st birthday. This program will air for the 1500 UT transmission of Happy Station (Keith Perron, Taiwan, Aug 31, dxldyg via DX LISTENING DIGEST)

\*\* TURKEY. 9830, Voice of Turkey; 2207-2214+, 30-Aug; English news to 2212 Turkish Press Review; IDs along the way. SIO=433, ute clatter QRM; SSB no help (Harold Fodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, DX LISTENING DIGEST)

\*\* U K [non]. 9500, Aug 31 at 1344 with nice SE Asian music, 1345

recognized BBC news theme with beeping, and Burmese; as scheduled via SINGAPORE, poor here but should be fine in Myanmar.

7420, collision of two roughly equal signals, Sept 1 at 1411, one music, one talk, in Chinese? Aoki shows BBCWS Chinese service is on 7420 at 1300-1530, 250 kW at 20 degrees from Thailand, plus ChiCom jamming, presumably CNR1 program.

All India Radio's Nepali service is also supposedly on 7420 at 1330-1430, 50 kW, 130 degrees via Guwahati, likely futile. Furthermore, 130 degrees is nowhere near the correct azimuth for Nepal from Guwahati; more like 280! Is anyone paying attention at AIR frequency management? (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U K [and non]. Summer A-09 Schedule of VT Communications Relays.  
Part 2 of 3:

IRIN Radio(Integrated Regional Information Network)  
0830-0930 on 13685 DHA 250 kW / 225 deg to EaAf Somali

Radio Vlaanderen Internationaal:

1000-1057 on 13675 SKN 300 kW / 180 deg to WeEu Dutch  
1400-1457 on 13675 SKN 300 kW / 180 deg to WeEu Dutch

Eternal Good News

1130-1145 on 15525 DHA 250 kW / 100 deg to SoAs English Fri

Democratic Voice of Burma in Burmese:

1300-1400 on 11685 HBN 100 kW / 270 deg to SEAs Burmese

Trans World Radio Africa

1300-1315 on 13660 KIG 250 kW / 030 deg to EaAf Afar Fri/Sat  
1730-1800 on 9865 DHA 250 kW / 230 deg to EaAf Tigrinya Fri  
1800-1815 on 5940 DHA 250 kW / 225 deg to EaAf Tigrinya Mon-Wed  
1800-1815 on 5940 DHA 250 kW / 225 deg to EaAf Amharic Thu/Fri  
1800-1830 on 5940 DHA 250 kW / 225 deg to EaAf Tigre Sat  
1800-1830 on 5940 DHA 250 kW / 225 deg to EaAf Kunama Sun  
1815-1845 on 5940 DHA 250 kW / 225 deg to EaAf Tigrinya Mon-Fri  
1830-1845 on 5940 DHA 250 kW / 225 deg to EaAf Amharic Sun

Free North Korea Radio

1100-1200 on 15670 ERV 300 kW / 065 deg to KRE Korean  
1400-1600 on 9990 TAC 100 kW / 060 deg to KRE Korean  
1900-2100 on 7530 ERV 300 kW / 065 deg to KRE Korean

Radio Free Chosun

1200-1300 on 11560 DB 250 kW / 070 deg to KRE Korean  
1230-1300 on 12085 TAC 100 kW / 065 deg to KRE Korean

1545-1615 on 11570 ERV 300 kW / 065 deg to KRE Korean  
2000-2100 on 7490 TAC 200 kW / 065 deg to KRE Korean

CMI Voice of Wilderness

1300-1400 on 11680 ERV 300 kW / 065 deg to KRE Korean

North Korea Reform Radio

1300-1330 on 9950 TAI 100 kW / 002 deg to KRE Korean  
1330-1400 on 11560 DB 250 kW / 070 deg to KRE Korean

Open Radio for North Korea

1300-1400 on 11640 ERV 250 kW / 065 deg to KRE Korean  
2100-2220 on 7510 ERV 300 kW / 065 deg to KRE Korean

JCI Furusato no Kaze

1330-1400 on 9585 TAI 100 kW / 002 deg to KRE Japanese  
1430-1500 on 11825 DRW 250 kW / 003 deg to KRE Japanese  
1600-1630 on 9780 TAI 250 kW / 045 deg to KRE Japanese

Radio New Zealand International

1400-1430 on 9660 WOF 060 kW / 102 deg to WeEu English Sat DRM

Shiokaze

1400-1430 on 5910 YAM 100 kW / 280 deg to KRE Various\* (alt. 6120)

2030-2100 on 6045 YAM 100 kW / 280 deg to KRE Various\* (alt. 5965)

\*Japanese Sun-Tue/Thu; English Fri; Korean Sat; Korean/Chinese/English Wed [more or less; Howard recently found English missing on Fri]

Nippon no Kaze

1500-1530 on 13725 DRW 250 kW / 003 deg to KRE Korean  
1530-1600 on 9965 HBN 100 kW / 345 deg to KRE Korean  
1700-1730 on 9820 TAI 100 kW / 002 deg to KRE Korean

HCJB Global

1600-1630 on 11740 RMP 500 kW / 076 deg to EaEu Russian + CeAsLangs.  
2100-2145 on 12025 RMP 250 kW / 168 deg to NoAf Arabic

Southern Sudan Interactive Radio Instruction:

1600-1700 on 11770 MEY 100 kW / non-dir to EaAf Arabic Sat-Thu, x  
1600-1630

Voice of Free Radio

1600-1700 on 7520 TAC 100 kW / 060 deg to KRE Korean, ex 1600-1630

SW Radio Africa

1700-1900 on 4880 MEY 100 kW / 005 deg to SoAf English

IBRA Radio

1730-1800 on 9615 MEY 100 kW / 015 deg to EaAf Somali  
1730-1800 on 11655 WOF 300 kW / 114 deg to ME Arabic  
1730-1800 on 11785 SKN 300 kW / 140 deg to EaAf Swahili  
1800-1930 on 12070 RMP 500 kW / 140 deg to CeAf Arabic, ex WOF 250 kW  
1900-2030 on 11875 RMP 250 kW / 169 deg to WeAf Various

Radio Huryaal

1730-1800 on 9840 DHA 250 kW / 215 deg to EaAf Somali Sat-Thu

Eglise du Christ

1800-1830 on 15325 RMP 500 kW / 168 deg to NoAf French Thu

Demitse Tewahedo in Amharic

1900-2000 on 15665 HRA 250 kW / 075 deg to EaAf Amharic Mon

Radio Taiwan International

1900-2000 on 6045 RMP 500 kW / 168 deg to WeEu French

1900-2000 on 6185 SKN 250 kW / 105 deg to WeEu German

Voice of Biafra International

1900-2000 on 17520 HRI 250 kW / 087 deg to WeAf English/Ibo Fri

Radio Biafra

1900-2000 on 12050 SKN 300 kW / 160 deg to WeAf English/Ibo

RTE Radio One

1930-2030 on 6225 MEY 100 kW / non-dir to SoAf English

Zimbabwe Community Radio test on Aug. 24, 25, 26, Mo-We, ex 3955:

1755-1855 NF 4865 MEY 100 kW / non-dir to ZWE English/Local

Zimbabwe Community Radio:

2000-2100 on 5950 DHA 250 kW / 210 deg to ZWE Ndebele/English/Shona

Radio Republica

2300-0400 on 9545 RMP 500 kW / 285 deg to Cuba Spanish

Cyprus Broadcasting Corporation

2215-2245 on 5930 CYP 250 kW / 314 deg to SEEu Greek Fri-Sun

2215-2245 on 7210 CYP 300 kW / 314 deg to SEEu Greek Fri-Sun

2215-2245 on 9760 CYP 250 kW / 315 deg to SEEu Greek Fri-Sun

Suaab Xaa Moo Zoo

2230-2300 on 11760 TAI 100 kW / 250 deg to SEAs Hmong

(DX Mix News, Bulgaria, Sept 1 via DXLD)

\*\* U S A [and non]. Another check of 17585 to see what happens to VOA English at 1430, Sept 1: Greenville pretty weak and at 1430 sharp the

signal drops noticeably but I still hear VOA English, so that would be Botswana taking over. Both too weak to tell for sure whether Bots was still doing sign-on overlap at 1428, but did not hear it, nor any warmup carrier on 17575 (Glenn Hauser, OK, DX LISTENING DIGEST) VOA Special English [non] accents : see LANGUAGE LESSONS

\*\* U S A. DRM test from Greenville still just barely audible on 15470-15475-15480, Sept 1 at 2124 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 13927-USB, AF MARS net, at 2125 Sept 1, including AFA9AY and Doom01, arranging phone patch to Shirley in the 239 area code; gave her complete number in the clear (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 9955, WRMI, Florida. Good strength and clear signal of Glenn Hauser's iWorld of Radio. 0545 13/8 (Charles Jones, Castle Hill NSW (FRG8800 with 50m long wire), Sept Australian DX News via WORLD OF RADIO 1476, DXLD)

Great to know; that was the UT Thursday 0530 broadcast (gh, DXLD)

Seems that ``Wire Light'', a.k.a. Cheetah Radio, a.k.a. Your World Your Way, etc., has bought more and more time on WRMI 9955, which is good news for paying the bills but a big yawn for listeners already bombarded with pointless or misleading infomercials on TV and AM. No jamming heard UT Monday Aug 31, WORLD OF RADIO still airing as scheduled at 0500, at 0530 Studio DX in Italian, but at 0600 up came YWYW again, two women conversing enthusiastically, one of them Michelle in Connecticut where the temperature was 15 degrees (not lately!). We still don't have a complete updated schedule showing all the new Wire Light blox; on the Aug 8 version it was R. Prague fill all the way from 0600 to 1100 weekdays. YWYW has also replaced the second hour of QSO, UT Sundays at 06-07.

BTW, Jeff White says the unannounced music fill I enjoyed UT Sat between 05 and 06 was his own selection of a wide variety of music from CDs he has collected around the world, each piece representing a different country, loaded into the automation for fill purposes, normally only in brief bits, but this week the hour-long La Rosa de Tokio had a tech problem, back next week (Glenn Hauser, OK, WORLD OF RADIO 1476, DX LISTENING DIGEST)

\*\* U S A. WTJC, 9370v, still putting out big filthy FMy spurs, audible around 0545 UT Aug 31, and also at 1257, centered approximately 9345 and 9395, the upper one soon obscured by super-splash WWRB 9385 with Brother Scare. Since these spurs are abnormal and a bane of shortwave, I will keep reporting them, doubting they will be eliminated unless WTJC is eliminated, which may require even more severe transmitter

problems. Where is the FCC? (Glenn Hauser, OK, WORLD OF RADIO 1476, DX LISTENING DIGEST)

\*\* U S A. 7480.6, WWCR Nashville TN; 2155-2203+, 28-Aug; Still spurring // 7465; poor on 7480.6; S30 on 7465. Spanish religious program to 2158+ then series of IDs, program promos & ads in English; IRN News at 2202+ in English. Getting some weak audio QRM on 7465-- studio bleed? (Harold Fodge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, DX LISTENING DIGEST)

WWCR still testing on 15820 instead of 15825, Aug 31 at 1328, fair signal during Inspirations Across America, the black gospel music show which replaced sex criminal evangelist Tony Alamo as soon as he was convicted. IAA was interviewing a guest about his TV show with a website, which doesn't connect so perhaps I miscopied it.

I have yet to hear Ask WWCR #299, where the frequency shift was discussed, as its mp3 is still Not Found, but apparently they replayed it again UT Sunday Aug 30 at 0145 on 5070, as monitored by Terry Wilson, MI, giving the frequency as 15830 instead of 15820.

WWCR still testing 15820 instead of 15825, Sept 1 at 1448 with Pastor Duke asserting ``you de man''; seems this show comes from Jefferson, Oregon. Unexpectedly good signal as sporadic E had kicked in to start a new month, but it is getting rarer and rarer, and not intense enough to reach VHF. No squeal problem heard (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. When WWCR is inbooming on 15820/15825, that means there is a chance of hearing nearby WWRB's second harmonic on 18770, and sure enough, there it was Sept 1 at 1449 with weak Brother Scare but definitely // 9385 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. Re 9-065, WAKE 1500 Indiana, 25 watts to South Africa?  
Re: Long distance + low power catch

Permit me to chime in here also. WAKE is fringe area to me. I have NEVER known them to cheat by running day power at night. Many stations have run day power at night, and quite a few do commonly, but I have not noted WAKE doing so.

Re: WFED from DC: the wide main beam of their cardioid pattern aims about an effective 75 kW right at South Africa. 73 KAZ (Neil Kazaross, IL, Aug 30, mwdx yg via DXLD)

Hi Glenn, Thanks for your comments:

The only recording I have of this 1500 kHz station is at 0403z which

relays news and the ID "This is CNN Radio"  
A web search reveals:  
<http://www.wakeradio.com/> and  
[http://en.wikipedia.org/wiki/WAKE\\_\(AM\)](http://en.wikipedia.org/wiki/WAKE_(AM)) and I got the power from:  
[http://www.radio-locator.com/cgi-bin/info?call=WAKE& service=AM](http://www.radio-locator.com/cgi-bin/info?call=WAKE&service=AM)

It is true that WFED Washington DC usually comes in on this frequency here but I could find no web reference to them running CNN  
<http://www.federalnewsradio.com/index.php?nid=10> and  
<http://en.wikipedia.org/wiki/WFED>

Various web and Google searches revealed ONLY 1500 WAKE as a CNN Radio (not WFED). I also do not have any information on a stations power other than what is published. Hence my claim to be listening to WAKE Regards (John Plimmer, Montagu, Western Cape Province, South Africa, ibid.)

Hi Neil, As I said to Glenn, WFED is indeed usually the station that comes in to South Africa, but nowhere do I find any reference to it running CNN Radio. Hence my claim to WAKE as it is the only station I could find from various sources that list it running CNN Radio.

I must also point out that DXing such very long distances often gives peculiar results that do not comply with logic. I quite often get weak stations UNDER more powerful stations here. Propagation plays tricks over such long distances. Regards (John Plimmer, Montagu, Western Cape Province, South Africa, ibid.)

I just listened to WFED's news online and it is CNN news and they use the "This is CNN Radio" slogan during that news. ID say that you had WFED for sure. 73 KAZ (Neil Kazaross, ibid.)

Forgive me John, as we've known and respected each other for a quite a while in the online DX community and I'd look forward to meeting you and DXing with you sometime at your superb DX spots.

A few DXers have become quite upset with me when I have VERY strongly suggested that they heard something other than what they believe that they have heard. However, I'll take that risk here as I point out a few things.

1) If you go to WFED's site <http://www.federalnewsradio.com/> you can listen to their hourly CNN newscasts and these newscasts use the "This is CNN Radio" slogan a lot. The time of your catch on 1500 was 0403 which would certainly be during a newcast.

2) I googled "WFED CNN News" and did come up with some references to CNN on WFED. Check the wiki link etc.

3) WFED's cardioid DA aims about an effective 75 kW toward South Africa. 25 watt WAKE is MUCH MUCH weaker and I am less than 100 km from them and honestly cannot tell if they are on at night.

4) "This is CNN Radio" is a slogan used during CNN news as carried by many US stations. It is not an ID by any means. I've happily IDed stations based on slogan alone, but not a generic slogan used during a network newscast used by many stations.

I'm sure that when you listen online to WFED's next hourly newscast, you'll change your logging to be that of WFED, your usual catch on 1500. 73 (KAZ Barrington IL, ibid.)

Okay Neil = tks for that heads up. I will correct my log to WFED (John Plimmer, Montagu, Western Cape Province, South Africa, ibid.)

[later:] Hi Neil, I have changed the log to WFED as previously noted. You can forgive the error as the WFED website does not in fact indicate it is running "CNN Radio", although you say they do on the internet stream. Thanks for setting me on the straight and narrow. Regards (John Plimmer, Montagu, Western Cape Province, South Africa, ibid.)

There may be a lesson here about relying on web resources such as wiki and even a station's own website (gh, DXLD)

\*\* U S A. Re 9-065: MUSIC FROM '50S THROUGH '70S RETURNS TO THE AIRWAYS WITH WGVU-AM MOVE TO OLDIES FORMAT  
by Rachael Recker | The Grand Rapids Press  
Thursday August 27, 2009, 4:19 PM

GRAND RAPIDS -- WGVU AM is answering more than a few West Michigan prayers with newly announced radio station, Real Oldies 1480/850. The all-oldies NPR radio station, playing local to national hits from the mid-'50s to early '70s, will be hosted by former WFGR-FM (98.7) personality Len O'Kelly and Bill Bailey, formerly of WLHT.

The announcement comes on the heels of WFGR changing its format from Oldies to Classic Hits -- a maneuver that displeased many loyal oldies listeners in the area. . .

[http://www.mlive.com/entertainment/grand-rapids/index.ssf/2009/08/music\\_from\\_50s\\_through\\_70s\\_ret.html](http://www.mlive.com/entertainment/grand-rapids/index.ssf/2009/08/music_from_50s_through_70s_ret.html)  
(via Artie Bigley, WORLD OF RADIO 1476, DXLD)

\*\* U S A. Re 9-065: Indiana station files for 87.9

That op is a freaking nut! I mentioned a few years back that he tried

some scheme to force his religious content on local High School and College stations and more recently he was throwing translators across the band, on every conceivable frequency. Although I use rabbit ears, either something has broken on them or his translators are off as I don't seem to hear them like I did last year. They were just 10 watters but last year, I could hear the parent WJCF and at least 3 translators on any one bandscan. 73, (Dave in Indy Hascall, Aug 31, WTFDA via DXLD)

\*\* U S A. More on KFUO St. Louis, classical going under?

Here's a weekend article from the P-D about KFUO:

<http://newsroom2.stltoday.com/stltoday/entertainment/stories.nsf/stage/story/CEB8B445DB8421E786257621001D8796?OpenDocument>

And here's an editorial about it from last week:

<http://www.stltoday.com/stltoday/news/stories.nsf/editorialcommentary/story/151E43EB5174E2378625761D007DF1BE?OpenDocument>

Things appear to still be up in the air, as it were...  
(Will Martin, St Louis, Aug 31, DX LISTENING DIGEST)

\*\* U S A. Re: TVDXer Matt Sittel appeared on Who Wants to be a Millionaire? Shameless Self-promotion

I was at Burnt River, and don't have cable TV there for actual watching. Did you win the jackpot? (Saul Chernos, Ont., WTFDA via DXLD)

No, but I did win a chance to play on the daytime version. My show airs next Wednesday, Sep. 9th. Check your local listings or [millionairetv.com](http://millionairetv.com) for times (Matt Sittel, Bellvue NE, ibid.)

So, I have the show DVR'ed - are you on it ? (Bill Nollman, ibid.)

Bill, Yes, Matt is on for a few seconds as he is introduced as ``one of the ten`` possible contestants. Too bad ABC was so cheap and DID NOT air the show in HD. Matt, good luck with the daytime show (Steve Rich, Indy, ibid.)

\*\* URUGUAY. See MUSEA

\*\* VANUATU. 3945, R. Vanuatu, Vila. Huge reception here in Broken Hill 0730 14/8 S9+ levels local Bislama language program (Graeme Dawe, Broken Hill NSW (Icom R71A, 80 metre longwire, 8 metres high), Sept Australian DX News via DXLD) see also JAPAN

\*\* VIETNAM. 6020, Voice of Vietnam-4, 2248-2303, Aug 30, Viet announcement, indigenous songs, pips at TOH then into presumed news. At first had different programming to VOV-2 5925 but joined up for news 2300. Frequency seemed clear, splatter from VOIRI 6025 wasn't too bothersome.

6165, Voice of Vietnam-4, 2152-2158, Aug 29, Vietnamese opening announcement, intro routine as for Foreign Service, competing with co-channel CNR-6. 73, (Martien Groot, Schoorl, Netherlands, DX LISTENING DIGEST)

I can receive VOV-1 on 7435 kHz of new frequency from 2300v to 2400v UT. First noted on Aug. 29. I think that started new service. Opposed to Beibu Bay Radio? cf.

<http://english.vovnews.vn/Home/VOV-broadcasts-to-the-East-Sea/20098/107344.vov>  
de Hiroshi (S. Hasegawa, Japan, NDXC, dxldyg via WORLD OF RADIO 1476, DX LISTENING DIGEST)

Same story as in 9-065, but with illustrations. We also suspected it's in response to BBR. But VOV-1 programming is hardly new, tho aiming it east on 7435 may be (gh, DXLD)

\*\* VIETNAM [non]. 9715, Sept 1 at 1401 music, then Vietnamese ID by YL mentioning Washington, kHz. This hour is R. Free Asia, 250 kW, 279 degrees via Tinian, says Aoki. Fair signal here with no jamming audible, nor does Aoki asterisk any. Evidently the VietCom have enough self-confidence not to need to jam such foreign broadcasts, unlike their ChiCom and CubaCom brethren (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* ZAMBIA. 6065, R. Christian Voice/CVC, 1506-1602, Sept. 1. Normally this would be totally covered by CNR-2/CBR, but fortunately they are temporarily off the air for maintenance. Very enjoyable program of mostly high-life music (only a few religious songs); in vernacular with announcer giving out their phone number many times; IDs iRadio Christian Voice, Lusaka, Zambia; started fading about 1555 and unusable by 1602; overall mostly fair (Ron Howard, Asilomar Beach, CA, EtUn E1, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. 1330, another MW channel with a het on it revealing some station, probably US or Mexico is significantly off-frequency, Sept 1 at 0511 UT. Pitch slightly lower than the one heard again on 1280, which Bruce Winkelman put at approximately 200 Hz; but the one on 1330 stronger now and pitch wavering slightly too. Again, no obvious solution to be found at

<http://www.myradiobase.de/mediumwave/mwoffset.txt>  
(Glenn Hauser, OK, WORLD OF RADIO 1476, DX LISTENING DIGEST)

UNIDENTIFIED. 6024.96, R. Nigeria via Enugu (tentative), 0138, Sept 1, with non-stop reciting from the Qurian till 0155; lost till heard again at 0203 with some type of singing; weak to very weak. Perhaps on again for Ramadan? (Ron Howard, Asilomar Beach, CA, EtÙn E1, dxldyg via DX LISTENING DIGEST)

Re Nigeria 6025: surely this is more likely to be Iran - IRIB Arabic service. I very much doubt if Enugu would be on the air at 0138, has anyone confirmed it on SW recently? 73s (Dave Kenny, UK, ibid.)

Yes, but at last report it was off again. See recent DXLDs. Some Nigerians might be on late/early for Ramadan, but Enugu, Biafra is not in the Islamic-dominated part of the country (Glenn Hauser, ibid.)

Thank you Dave and Glenn for your insights! Yes, it seems logical I must have heard Iran. I put too much importance to their seemingly being off frequency and was not familiar with Iran being here. Thanks again for setting the record straight! Appreciate your assistance! (Ron Howard, ibid.)

UNIDENTIFIED. 6110 in Vernacular and in French - both and music seems are coming from Africa. 1050-2010 on 23/8 when I asked for Congo on 6115 (Rumen Pankov, Sofia, Bulgaria (Sony ICF 2001, Marconi), Sept Australian DX News via DXLD)

You mean you heard it all the way from 1050 to 2010? R. Fana, Ethiopia is on at both ends and most times in between, and with 100 kW might make it as far as Bulgaria daytime. Aoki reminds us the V. of Azerbaijan was around 6110 as recently as B-08, altho not quite so wide a time span, and since believed inactive (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 6130: Respecto a la seÙal de bips y zumbidos que ud. menciona al parecer tiene una amplitud de banda y potencia considerable ya que en ocasiones me interfiriÙ a XEQM [6104.7v], por ejemplo el 2 de agosto a las 1200 UT, aunque lÙtimamente he escuchado esos sonidos, aunque lamentablemente no tuve la oportunidad de registrar la seÙal en archivo de audio. Atte: (Ing. Civ. Israel GonzÙlez Ahumada, M.I., Sept 1, DX LISTENING DIGEST)

I suspect your receiver is not very selective, as 25 kHz is a long way for this to extend, and I never hear any of it that far from 6130 (gh, DXLD)

UNIDENTIFIED. 6130 intruder, TADIL-A (see DXLDs 9-063 and 9-064), Sept 1 at 0503, now with 5 beeps before the brief noise bursts; bothered RN on 6125 via Nauen (Glenn Hauser, OK, WORLD OF RADIO 1476, DX LISTENING DIGEST)

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PUBLICATIONS

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NRC AM LOG 30th EDITION, 2009

Has just been published. It's the number one reference for AM stations in the USA and Canada, primary listing by frequency, then by state, province, with all the details of powers, antennas, networks, formats, addresses, etc., cross references. Absolutely essential for the MW DX listener. Available only on paper in loose-leaf punched format, 278 p. Ordering details: <http://www.nrcdxas.org/catalog/books/index1.html>  
(Glenn Hauser, DX LISTENING DIGEST)

WORLD OF TELEPHONY

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Society For The Promotion Of Amplitude Modulation (SPAM) President.  
(as a Secretary).

Glenn, I decided that since there's no one looking down from the top or meeting on the air regularly, for the group of members called SPAM, I thought I'd make myself President of the bunch. As it presently is I'm in a location where I can't get a signal out noticeably but I do a little listening or monitoring on the usual frequencies. Still I'll be taking in and giving mailed correspondences at my location of Fred Jodry, 39 Echo Avenue, New Rochelle, New York, 10801. This makes me a good Secretary and you'll like the Treasurer's suggested prices too.

Those writing, please stick to the sobre things: Don't worry about small things like sending mail stamps; do worry about the big things. Please don't put my Ham Radio call of KA2PYQ on the outside of the envelope anywhere as it seems to make the government post office take the letters as their souvenir.

I wish Hams travelling the country would get into the habit of handling letters and packages for others. Asking more than one question in a letter has been known in the past to keep me from answering when I know some answers and don't know the others; your luck.

Don't imagine that sending me compressed, pissed on, whammied, computer files is your ticket to literary notice and immortality. Mail and plain e-mail are both much more handleable and reliable right now.

Those sootherning words, "Hi, this is Fred Jodry and his telephone answering machine. At the sound of the beep you can talk for 45 seconds and I'll call you back." Nice long pipe dream. I'm born in New Jersey and here's the way New Jerseyans answer the telephone if they have a telephone. You call them and the telephone rings and rings. Another time of day and day you call them again and the telephone rings and rings. You get a brain of your own and go visit there and they're sitting on the porch smiling at you as you come up the driveway.

I don't own a telephone answering machine and never will. (And the past is the future and the future is the past here. Life is a telephone answering machine, really?) The last time I covered the SPAM subject for DX Listening Digest might have been when I mentioned AM Ham Radio magazines and Floyd Dunlap in April 2008. SPAM was so popular in his presidency that it had noticeable numbers, of both Hams and SWLs in it (Frederic Jodry, KA2PYQ, Aug 31, DX LISTENING DIGEST)

MUSEA

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CX30 Radio Nacional, Breve reseña Histórica

Estimados, Me agrada comunicar la publicación electrónica:

"CX30 Radio Nacional, Breve reseña Histórica", trabajo de 38 páginas, compilado para el Primer Museo Viviente de la Radio y las Comunicaciones de Uruguay "Gral. José Artigas".

<http://www.sitio.de/radiomuseo>

Es un trabajo en desarrollo continuo, por lo que es de esperar se nutra constantemente de actualizaciones y correcciones. Gracias desde ya por vuestra atención.

<http://es.calameo.com/read/000080198b17dbc90bc42>

(Horacio A. Nigro, Montevideo, Uruguay, Aug 31, dxldyg via DX LISTENING DIGEST)

LANGUAGE LESSONS

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VOA SPECIAL ENGLISH'S CHRISTOPHER LOUIS

Glenn, while I was listening to the VOA Special English and my favorite SpecEngl host Christopher Louis, I was wondering where in the US of A is spoken that beautiful accent. Perhaps you know?

Ohh, and here is the audio link to hear C. Louis (he's at 00:00:30):  
<ftp://8475.ftp.storage.akadns.net/real/voa/english/spec/2009/spec2330a>

0827.rm

73 (Dragan Lekic, Serbia, Sept. 1, DX LISTENING DIGEST)

Hi Dragan, I would say his accent is just 'general American', perhaps from the Midwest (center of the country). It's exaggerated for Special English. It's more or less the 'neutral' accent radio announcers strive to achieve, overriding their original regional accent if necessary. Easier to say what it is not: not New York, not New England, not southern, not Scandinavian, not influenced by any foreign language. 73, (Glenn to Dragan, via DXLD)

Unlike the BBC, which now glories in as wide a variety of regional and foreign accents in English that it can find to put on the air as presenters, correspondents, even at the expense of listener comprehension, the ideal at VOA and most US domestic broadcasters is to reduce regional variations (Glenn Hauser, DX LISTENING DIGEST)

DIGITAL BROADCASTING --- DRM See U K; U S A

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DIGITAL BROADCASTING --- DTV

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Canadian DTV stations

[http://www.digiwavetechnologies.com/index.php?  
module=pagemaster&PAGE\\_user\\_op=view\\_printable&PAGE\\_id=460&lay\\_quiet=1](http://www.digiwavetechnologies.com/index.php?module=pagemaster&PAGE_user_op=view_printable&PAGE_id=460&lay_quiet=1)

It's a long link ... this will also work: <http://tinyurl.com/lm8y43>  
(Saul Chernos, Ont, WTFDA via DXLD) but a short list on one page

RADIO EQUIPMENT FORUM

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FIRE APPROACHING MT. WILSON COULD DISRUPT FM RADIO, TV --- STATIONS WITH TRANSMISSION TOWERS ON THE MOUNTAIN SCRAMBLE TO MAKE BACK-UP PLANS. By GARY LYCAN, Special to The Register, Monday, August 31, 2009  
<http://www.ocregister.com/articles/tower-wilson-site-2546806-backup-mailed>

Radio and TV stations mapped readiness plans over the weekend in the event the fires threatening Mt. Wilson reach the towers and curtail communications.

TV stations announced on local newscasts the following: a) viewers with cable or satellite will not see any changes b) viewers with TV set antennas will lose the TV signal, but can watch station's programming streamed on its website.

There are no AM station towers on Mt. Wilson, said Scott Fybush, tower site expert with his own Web site ([fybush.com](http://fybush.com)). He travels across the U.S. to take photos of transmitter sites, including Mt. Wilson.

The KNX/1070 AM tower is in Torrance, the KFWB/980 tower is in East Los Angeles, and the KFI/640 AM tower is in La Mirada.

KRTH/101.1 FM announced Sunday evening that if the fire were to affect the transmitter site, K-Earth 1010 would go to a lower-powered back-up antenna site and some listeners could be impacted.

CBS executive Scott Mason confirmed that JACK/93.1 FM, KTWV/94.7 FM and AMP/97.1 FM, and KRTH/101.1 FM would be affected. "KROQ/106.7 FM is on another mountain," he e-mailed. "Plans are in place. We have contingencies for all situations," he added.

According to Fybush, FMs without backup facilities at other sites include KPCC/89.3, KPFK/90.7 KUSC/91.5, KHHT/93.1, KKLA/99.5, KSWD/100.3, KSCA/101.9, KIIS/102.7, KOST/103.5, KBIG/104.3, KKGO/105.1, and KLVE/107.5.

Asked about backup plans, however, Clear Channel executive Greg Ashlock e-mailed, "KIIS is at Briarcrest, KOST and (KBIG) are at Montecito Heights,"

KKGO/105.1 FM (Go Country) would temporarily move to 1260 & 540 AM "should the fires affect our tower," said P.J. Ochlan, spokesman for Mount Wilson Inc., which also operates non-commercial KKJZ/88.1 FM in Long Beach. The KKJZ tower is in Signal Hill.

In addition to the CBS FMs, KPWR/105.9 and KXOS/93.9 have backup facilities at other sites.

For Mike Sakellarides, who was to start today (Monday) as morning drive host on "Retro 1260" KGIL, it was an unpredictable weekend. He lives in La Crescenta, was evacuated once and faced possible evacuation a second time. He e-mailed at 5:15 a.m. Monday to say, "Just got up to KGIL. We're OK in my neighborhood." (via Artie Bigley, DXLD)

#### MT. WILSON TRANSMITTERS THREATENED BY FIRES KTLA News Los Angeles 8:45 PM PDT, August 31, 2009

Mt. Wilson is home to more than two dozen towers that occupy its peak just north of Sierra Madre. It supports antennas that beam signals for television and FM radio stations throughout the region.

The fire also threatens the historic solar observatory atop the

mountain, which houses multimillion-dollar astronomy projects for UCLA, USC and UC Berkeley. Now, the observatory lets visitors view space through its 60-inch telescope, which has been in place since 1908.

The observatory was also a home to Edwin Hubble, who used the famed 100-inch Hooker telescope in the 1920s and recognized that the faint smudges in the sky called nebulae [sic] were in fact distant galaxies. Observing that these galaxies were moving away from one another, he determined that the universe was expanding.

Hubble's theory, combined with Einstein's theory of relativity, concluded that the universe was created at a specific point in time, later called the Big Bang. Full story at <http://www.ktla.com/news/landing-fires/ktla-mt-wilson,0,4933804.story> (via Mike Terry, dxldyg via DXLD)

"In watching the 6:30 KTLA news, it is at 105,000 sq miles, the worst fire in California history. The flames are within a mile from the tx sites, but were closer earlier today. This fire may burn for months. (Patrick Martin, IRCA via Mike Terry, ibid.)

It's not looking good for Mt. Wilson. One LA TV station is saying that it's not a matter of if, it's a matter of when. CBS wisely built auxiliary facilities for all their FM's at a different site so they won't be affected if they lose Mt. Wilson (Dennis Gibson, CA, UT Sept 1, IRCA via DXLD)

#### Socal wildfires

If you've been following the news or CGC Communicator newsletters that have been posted to the list, then you are probably aware that some of our most important communications facilities here in Southern California are severely threatened by the wildfires that are burning. The most critical is Mount Wilson, which is home to most of our FM and TV transmitters, as well as numerous microwave facilities and public safety and other repeater sites. Mount Wilson has a commanding location over all of Southern California, but it is served by a single road, which connects to Angeles Crest Highway. As a result of the limited accessibility, the mountain has been evacuated, and is being protected by a number of fire crews.

Aerial tankers have dropped fire retardant all around the mountain, and hand crews have been thinning the brush, but Mount Wilson is expected to see the fire approach shortly. Actually, they have been warning that this is imminent since last evening, but so far as I have heard, it has not reached Mount Wilson yet. This should be an interesting day.

Northwest of Mount Wilson, there is Mount Lukens, which is also home to a number of communications towers, including our NOAA weather station and a lot of public safety facilities. It appears that fire has already reached the top of Mount Lukens, but I haven't been able to find out whether the facilities there have been affected.

The webcam on at the Mount Wilson Observatory has featured some dramatic pictures of the situation on the mountain, but since last night it has been available only sporadically.

<http://www.astro.ucla.edu/~obs/towercam.htm#imagetop>

Live video coverage on the web has been spotty, but KNX 1070 is doing a great job covering the story. They are talking with a CBS engineer right now, discussing how the biggest worry is all of the fiber and copper feeding the facilities on Mt. Wilson. He said that they actually ran all of their stations overnight from their backup facilities on Verdugo Peak, just to make sure that they were going to be OK should they need them, but that they switched back to Mt. Wilson this morning.

I'm in the far east-valley, near Burbank Airport, and it's really smoky here. We smell it pretty strongly even inside the building. The calm winds are a mixed blessing. While this keeps the fire from spreading even more rapidly, the smoke tends to just hang around, making it hard for the helicopters and air tankers to maneuver safely. Over the last 2 afternoons, the smoke rose up to 20,000 feet in a spectacular column that they called a "Pyrocumulus cloud" (Brian Leyton, Valley Village, CA, 0537 UT Sept 1, ABDX via DXLD)

The NOAA Weather Radio station from Mount Lukens has been off the air since at least early Sunday evening.

NWR offices have the ability to stream mp3 audio of the voice products used on NOAA Weather Radio, but the Oxnard office which serves L.A., does not do this. They do have the info in text form on their website (Rick Lewis, *ibid.*)

#### RAGING FIRE THREATENS MOUNT WILSON OBSERVATORY

Frequent updates from the astronomical POV:

<http://www.skyandtelescope.com/news/home/56266907.html>

#### AN ALTERNATE WEB ADDRESS FOR MT. WILSON WEB CAM PHOTOS

Photos from the overloaded Mt. Wilson Web Camera are becoming increasingly difficult to come by. Now, Larry Lpez has taken the downloading task upon himself and provides us with an alternate Web

address for photos and info. He writes:

"I have been posting the photos and any new info that I get to my news and updates page on my website. Here is the link:  
<http://www.angelescrestservices.com/News%20and%20Updates.htm>

"I am having some trouble getting the photos. It's been taking about 20 minutes now.... The bottom line is that we are on top of both the Webcam and watching for live shots on the news channels so that I can provide that info as well."

FIRE NEWSLETTER FROM THE MT. WILSON OBSERVATORY  
<http://www.mtwilson.edu/fire.php>

CAL FIRE RADIO FREQUENCIES FOR FIRE COMMUNICATIONS  
<http://tinyurl.com/WilsonCommPlan>

CLAIM: FIREFIGHTERS NOT PULLED OFF WILSON

An employee of the Forest Service who asked not to be identified called Communications General Corp. this afternoon and stated that fire fighters had "never" been pulled off Wilson, and that rumors to that effect started with an incorrect media report.

While we have no way of verifying his claim, it is important to realize that different groups of firefighters may be involved. Perhaps some were pulled off, others not. We simply do not know (CGC Communicator Aug 31 via Kevin Redding, ABDX via DXLD)

Word I'm hearing is that the smoke being seen on the webcam is from backfires being set on or near observatory property by firefighters.

The director of the observatory was interviewed on NPR earlier this hour, and he said things have actually improved considerably up there during the course of the day today. He says fire crews were pulled off the mountain yesterday for fear that they'd be trapped up there, but that they were brought back in around noon, PT, today.

I'm also hearing word that KRTH 101.1 has switched from Wilson to its aux transmitter in the Verdugo Mountains between Glendale and Burbank. Speculation is that they may have a clogged air filter in their transmitter from all the smoke...but keep in mind that it's almost ALL speculation now, since nobody from the stations or the observatory is up on the mountain, and won't be for a while yet. s (Scott Fybush, NY, 2048 UT Sept 1, IRCA via DXLD)

POLARIZATION, continued from 9-065

Glenn H wrote: "Doesn't polarization become random once a signal is propagated by the ionosphere or even the troposphere, anyway?  
73, Glenn Hauser, OK"

And that is the point I attempted to make with the explanation of why we choose to use CIRCULAR polarization for our FM stations here in New Zealand. In any area where there are likely to be (1) reflections from objects whether terrain or man-made, (2) tropospheric interaction - the original polarity (Hz or Vt) becomes "distorted". If it leaves the TR antenna Hz and is reflected, reformatted by obstacles real or invisible, at any given instant at any specified receiving spot it can be anything but Hz.

There is typically a 30 dB "loss" when you use a Hz antenna to receive a Vt signal - or vice versa. A signal that is "mixed" polarity has discrete Vt and Hz components but the "obstacle" that shifts the polarity for one is likely to do it to the other as well. The kerchunk-kerchunk abrupt drop out when driving and listening to FM is the result of (1) polarity shifting at some discrete spot, (2) two or more signal paths arriving at the you-in-motion reception spot and being "out of phase" with one another (Think Bolin's Phase box but totally natural rather than man created).

Circular shifts as well, but as all of the total power is divided up into a "circle", in effect if we assume there to be 360 degrees in the circle, 1/360th of the total power at any instant is available at any angular degree between 1 and 360. But being a circle, what was at say 90 degrees when it rotates to say 160 degrees is replaced with other degree energy which rotates around to replace the original 90. Net effect? FAR less fading, kerchunk-kerchunk etc. when in motion and listening to FM. Let you mind wander as to what that offers to FM DXing using antennas designed to capture signal without respect to what has happened to the polarity during transit (Bob Cooper in New Zealand, WTFDA via DXLD)

Speaking more as a transmitter than a receiver. Yes, and my point is, that unless you have a 'circularly polarised' receiving antenna setup, there is no point in trying to match your receiving polarization to that of the originally transmitted DX signal, even if it is horizontal-only or vertical-only, whatever it may be, since it will be randomized on the way --- EXCEPT to minimise local QRM which could be significant.

OTOH I seem to recall that local noise (non-broadcast) sources tend to be worse with vertically polarised receiving antennas. This from someone who has never experimented with vertically-polarised DX antennas --- other than whips/telescopic, and manoeuvering them around during an Es opening on FM does make a big difference in DX vs QRM

signal ratios. 73, (Glenn Hauser, OK, ibid.)

In theory, a lot of man-made electrical noise is nominally vertically polarized. But how much that affects FM is open to question. It's much more noticeable on AM (Russ Edmunds, WB2BJH, Blue Bell, PA, ibid.)

Some real life results at 162 MHz: I have a log periodic 100-1300 MHz antenna mounted vertically, and also have a log periodic TV/FM antenna mounted horizontally. With the few E-skip openings I have had at 162 MHz, as well as the recent 800+ mile tropo, signals still seemed MUCH stronger on the vertical antenna than the horizontal antenna. The NOAA stations are vertically polarized. So I wonder whether the polarization retains itself better as frequency increases (i.e.- 50 MHz signals get polarization messed up more easily). Now I know that the TV antenna is not the ideal 162 MHz antenna. I would only know for sure if I used 2 identical antennas.

Just wondering, has anyone done experiments with identical antennas at different frequencies during both ES and TR to show what the actual differences are? It would be interesting to see the results (Bill Hepburn, Grimsby, Ont., ibid.)

Perhaps the following be remotely related to the polarization thread:

#### FOCUSING REMOTE KEY TRANSMITTERS

870, WKAR, East Lansing MI; 12:30 PM EDT; 29-Aug; Car Talk; the boys fielded a question as to whether pointing your car remote key entry (the ones I've QSL'd! use UHF frequencies) into your mouth focused the beam so that it would work further away from your car than if pointed directly at it. There was no consensus (Harold Frogge, Midland MI, USA, Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW, DX LISTENING DIGEST)

The more metal in your mouth, the more effect there should be (gh)

#### WATKINS JOHNSON HF1000 HELP NEEDED

Hi Everyone, You all know by now that I use a Watkins Johnson HF1000. I've had it for a couple of months now. I was wondering if anyone could advise me as to how I can renew the numbers on the keypad? So far the zero and one have disappeared. I suppose it requires a special sticky type piece of plastic or something? Anyway, if you have any ideas, please drop me a line at: ka4prf @ peoplepc.com

I went to the Yahoo Group for the HF1000, but there are no messages on that site except for invitations to meet with strange people. Hope to hear from you and thanks (Chuck Bolland, FL, Sept 1, DX LISTENING

DIGEST)

What do you mean by renew? They are just worn off, or do the keys not work? (gh, DXLD)

PROPAGATION

++++++

Interview with Dr. M. Penn of National Solar Observatory - Sunspots disappear by 2015?

The newly-released Episode #4 of the NW7US Space Weather and Radio Propagation Podcast, is available at <http://podcast.hfradio.org/>

In this episode, Amateur Radio Operator, Tomas David Hood (NW7US) discusses with Dr. Penn of the National Solar Observatory the startling yet convincing trend revealed in research of magnetic strengths of sunspots over the last thirteen years. The trend indicates a strong possibility, if the trend continues, that sunspots will disappear by the year 2015!

Additionally, space weather and propagation conditions through August are reviewed, and the outlook for this coming week is presented. If you wish to use the RSS feed to subscribe to this podcast, the RSS feed is available at:

[http://podcast.hfradio.org/index.php?  
option=com\\_podcast&view=feed&format=raw&Itemid=59](http://podcast.hfradio.org/index.php?option=com_podcast&view=feed&format=raw&Itemid=59)

A version of this podcast will be made available in a format ready for amateur radio repeater and HF transmission in the form of an information bulletin package. Details will be posted at <http://podcast.hfradio.org/> - the main Podcast website. This version of this episode will post approximately one day after the initial release of the full podcast.  
-- 73 de (NW7US, Tomas David Hood - Bitterroot Valley of Montana, Aug 30, swl at qth.net via DXLD)

Good, with his own music and co-hosted by Mrs. I wish podcasters would display how long the file is as one needs to plan one's listening (gh)

Monthly Sunspot Numbers

IPS OBSERVED AND PREDICTED SOLAR INDICES FOR CYCLE 24

Prepared by IPS Radio and Space Services Issued on Aug 01 2009

----- SMOOTHED SUNSPOT NUMBER -----

[NOTE: to make this grid fit into the 70 spaces of DXLD, the first digit, 1, for the entries over 100, which occur only in 2000, 2001 and part of 2002y, has been removed, e.g. first one is really 113.0 -- gh]

| Year | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2000 | 13.0 | 16.9 | 20.0 | 20.9 | 19.0 | 18.8 | 19.8 | 18.7 | 16.3 | 14.5 | 12.7 | 12.1 |
| 2001 | 08.7 | 04.0 | 04.8 | 07.5 | 08.6 | 09.8 | 11.7 | 13.6 | 14.1 | 14.0 | 15.5 | 14.6 |
| 2002 | 13.5 | 14.6 | 13.3 | 10.5 | 08.8 | 06.2 | 02.7 | 98.7 | 94.6 | 90.5 | 85.3 | 82.1 |
| 2003 | 81.0 | 78.6 | 74.2 | 70.4 | 67.9 | 65.3 | 62.1 | 60.3 | 59.8 | 58.4 | 57.0 | 55.0 |
| 2004 | 52.1 | 49.4 | 47.2 | 45.6 | 43.9 | 41.7 | 40.2 | 39.3 | 37.6 | 35.9 | 35.4 | 35.2 |
| 2005 | 34.6 | 34.0 | 33.6 | 31.7 | 28.9 | 28.8 | 29.1 | 27.5 | 25.9 | 25.6 | 25.0 | 23.0 |
| 2006 | 20.8 | 18.7 | 17.4 | 17.1 | 17.4 | 16.4 | 15.3 | 15.6 | 15.6 | 14.2 | 12.7 | 12.1 |
| 2007 | 12.0 | 11.6 | 10.8 | 9.9  | 8.7  | 7.7  | 7.0  | 6.1  | 5.9  | 6.1  | 5.7  | 5.0  |
| 2008 | 4.2  | 3.6  | 3.3  | 3.3  | 3.5  | 3.2  | 2.7  | 2.6  | 2.2  | 1.8  | 1.7  | 1.7  |
| 2009 | 1.8  | 2.1e | 2.3e | 2.4e | 2.4e | 2.5e | 2.7e | 2.9e | 3.1e | 3.3e | 3.4e | 3.6e |
| 2010 | 3.7e | 4.0  | 3.5  | 3.4  | 4.0  | 4.8  | 5.7  | 6.8  | 7.4  | 9.1  | 10.3 | 11.7 |
| 2011 | 13.5 | 15.1 | 16.9 | 19.8 | 23.1 | 26.7 | 29.6 | 32.7 | 36.0 | 39.8 | 43.2 | 46.1 |
| 2012 | 48.8 | 52.9 | 57.3 | 61.2 | 63.4 | 65.7 | 67.9 | 70.5 | 73.1 | 75.4 | 78.1 | 80.5 |
| 2013 | 82.0 | 84.0 | 85.2 | 85.7 | 86.6 | 87.7 | 88.3 | 89.7 | 90.2 | 90.2 | 89.7 | 88.3 |
| 2014 | 88.0 | 87.1 | 87.1 | 86.8 | 86.8 | 87.1 | 87.1 | 86.6 | 86.6 | 85.7 | 83.8 | 81.7 |
| 2015 | 79.9 | 78.1 | 76.0 | 73.7 | 72.2 | 70.8 | 69.7 | 68.5 | 67.1 | 65.3 | 63.2 | 59.8 |
| 2016 | 56.4 | 53.2 | 51.1 | 49.2 | 47.5 | 45.9 | 44.2 | 42.3 | 40.3 | 38.7 | 37.5 | 37.0 |
| 2017 | 36.4 | 35.6 | 34.4 | 32.9 | 31.1 | 29.2 | 27.7 | 26.4 | 25.1 | 23.7 | 22.1 | 20.7 |
| 2018 | 19.6 | 18.7 | 17.8 | 17.0 | 16.0 | 15.3 | 14.6 | 14.1 | 13.8 | 13.4 | 12.9 | 12.2 |
| 2019 | 11.6 | 11.3 | 11.1 | 10.7 | 10.0 | 9.5  | 9.4  | 9.6  | 9.6  | 9.4  | 9.4  | 9.5  |

=====
This page is updated monthly using observed monthly sunspot numbers from the Solar Influences Data Analysis Center <http://sidc.oma.be>. Monthly values are smoothed using a 13 monthly running filter (first and last half weighting) and, where needed, combined with a predicted sunspot number curve for Cycle 24. Values which have an "e" next to them are based partly on observed and partly on predicted values. Values earlier in time to these are based entirely on observed values; values later in time are entirely predicted. Observed data are adjusted slightly at times to use the SIDC final monthly values which are available several months later - SIDC preliminary monthly values are used up to this time. Taken from <http://www.ips.gov.au/Solar/1/6> (September 2009 Australian DX News via DXLD)

Note that the next peak of only 90.2 is predicted for Sept-Oct 2013, a lot less than the previous peak of 120.9 in April 2000, but still a lot better than the 'single digits' (before the decimal) we've had to put up with for more than two years, and for one more. Such predictions to one decimal place are probably fanciful, but let us hope not too fanciful compared to the opposing viewpoints: (gh)

Are sunspots disappearing for good? Two solar researchers say this is the case. Amateur Radio Newsline's Norm Seeley, KI7UP, has more:

Most hams users [sic] know that there is a direct correlation between

sunspots and high frequency propagation conditions. In general, the more sunspots there are, the more DX you will be able to work. This usually happens in 11 year cycles with the last solar maximum having taken place in 2000.

The current Solar Cycle which is Cycle 24 should peak in roughly next year in 2010. Only one problem. There have been few sunspots this year and very little easy to work DX. And now there may be an answer as to why.

Spaceweather.com reports that astronomers Bill Livingston and Matt Penn of the National Solar Observatory in Tucson, Arizona, have found that sunspot magnetic fields are definitely waning. Not only that. They say that sunspots could completely disappear within decades.

Livingston and Penn have been measuring solar magnetism since 1992. Their technique is based on a complex system called the Zeeman splitting of infrared spectral lines emitted by iron atoms in the vicinity of sunspots. They reached their conclusion by extrapolating their already collected data into the future.

But Spaceweather also says not to count out sunspots just yet. It notes that while the data of Livingston and Penn is widely thought to be correct, that any far reaching extrapolations may be premature. It says that this type of measurement is relatively new, and the data reaches back less than 17 years. In the end it appears as if the giant solar disk we call the sun is the only one who holds the answers to the future of its spots and how good DX will be in the coming years.

Norm Seeley, KI7UP, Amateur Radio Newsline.

And a bit of an astro physics lesson before we leave this story. For those not aware, sunspots are made of magnetism. In other words a sunspot is not matter but rather a strong magnetic field that appears dark because it blocks the upward flow of heat from the sun's fiery depths. Spaceweather says that without magnetism, there would be no sunspots (Spaceweather, others)

(via Southgate  
[http://www.southgatearc.org/news/august2009/sunspots\\_will\\_disappear\\_completely.htm](http://www.southgatearc.org/news/august2009/sunspots_will_disappear_completely.htm)  
via Mike Terry, dxldyg via DXLD)

Geomagnetic field activity was at quiet levels during 24 - 29 August. Activity increased to quiet to active levels on 30 August, with a single major storm period observed at high latitudes late on the 30th. Activity decreased to quiet levels by 31 August. ACE solar wind data indicated the elevated conditions were due to a recurrent coronal hole high-speed stream (CH HSS). Velocities at ACE increased from a low of

about 300 km/s at 25/1856 UTC to a high of near 490 km/s at 30/1730 UTC before gradually decreasing to 450 km/s by the end of the period. Interplanetary magnetic field activity associated with the CH HSS included increased B<sub>t</sub> (maximum of 12 nT at 30/0927 UTC) and southward B<sub>z</sub> (maximum of -11 nT at 30/1422 UTC).

#### FORECAST OF SOLAR AND GEOMAGNETIC ACTIVITY 02 - 28 SEPTEMBER 2009

Solar activity is expected to be very low. No proton events are expected at geosynchronous orbit. The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at normal to moderate flux levels during the period with a chance for high levels during 02 - 04 September. Geomagnetic field activity is expected to be at mostly quiet levels during the period. Isolated unsettled levels are expected on 02 - 05 and 14 - 17 September with isolated active levels possible on 26 September, all due to recurrent CH HSS effects.

```
:Product: 27-day Space Weather Outlook Table 27D0.txt
:Issued: 2009 Sep 01 2151 UTC
# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction
Center
# Product description and SWPC contact on the Web
# http://www.swpc.noaa.gov/wwire.html
#
#      27-day Space Weather Outlook Table
#      Issued 2009 Sep 01
#
#      UTC      Radio Flux      Planetary      Largest
#      Date      10.7 cm       A Index       Kp Index
2009 Sep 02      68          8            3
2009 Sep 03      69          10           3
2009 Sep 04      69          7            3
2009 Sep 05      69          7            3
2009 Sep 06      68          5            2
2009 Sep 07      68          5            2
2009 Sep 08      68          5            2
2009 Sep 09      68          5            2
2009 Sep 10      68          5            2
2009 Sep 11      68          5            2
2009 Sep 12      68          5            2
2009 Sep 13      68          5            2
2009 Sep 14      68          7            3
2009 Sep 15      68          7            3
2009 Sep 16      68          5            2
2009 Sep 17      68          8            3
2009 Sep 18      68          5            2
2009 Sep 19      68          5            2
2009 Sep 20      68          5            2
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|             |    |    |   |
|-------------|----|----|---|
| 2009 Sep 21 | 68 | 5  | 2 |
| 2009 Sep 22 | 68 | 5  | 2 |
| 2009 Sep 23 | 68 | 5  | 2 |
| 2009 Sep 24 | 68 | 5  | 2 |
| 2009 Sep 25 | 68 | 5  | 2 |
| 2009 Sep 26 | 68 | 12 | 4 |
| 2009 Sep 27 | 68 | 5  | 2 |
| 2009 Sep 28 | 68 | 5  | 2 |

(SWPC Sept 1 via WORLD OF RADIO 1476, DXLD) ####